

SCHMERSAL SRB-NA-R-C.35-CH2A-24V

Safety Relay Module

Overview

SCHMERSAL SRB-NA-R-C.35-CH2A-24V belongs to the SRB-NA-R-C.35 24 V safety-relay family for emergency-stop and guard-door monitoring. The supplied family catalog defines the common 24 V electrical and installation data but does not decode the complete CH2A suffix.

01 / Function

Provides emergency-stop or guard-door monitoring within the SRB-NA-R-C.35 family

02 / Function

Provides four enabling outputs and one monitoring output

03 / Function

Includes one delayed enabling output adjustable from 0 to 30 seconds

04 / Function

Supports feedback-loop monitoring and selectable reset behavior

PRODUCT FIELD	OFFICIAL VALUE
Manufacturer	Schmersal / ELAN
Supplied model identity	SRB-NA-R-C.35-CH2A-24V
Documented family	SRB-NA-R-C.35, 24 V variants
Safety function	Emergency-stop or guard-door monitoring

Technical parameter dashboard

SCHMERSAL SRB-NA-R-C.35-CH2A-24V

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Manufacturer	Schmersal / ELAN	Delayed enabling output	1; adjustable 0 to 30 s	Enabling-contact capacity	230 V AC / 6 A ohmic; DC-13 24 V / 2 A; AC-15 230 V / 3 A
Supplied model identity	SRB-NA-R-C.35-CH2A-24V	Reset behavior	Automatic reset selectable; feedback loop provided	Pick-up time	200 ms maximum
Documented family	SRB-NA-R-C.35, 24 V variants	Nominal supply	24 V DC or 24 V AC, depending on documented variant	Drop-out time	30 ms maximum
Safety function	Emergency-stop or guard-door monitoring	DC supply tolerance	-15% / +20%; maximum ripple 10%	Operating temperature	-25 to +45 deg C
Enabling outputs	4	AC supply tolerance	-15% / +6%; 50/60 Hz		
Monitoring outputs	1	Maximum power consumption	3.5 W DC; 4.7 VA AC		

Evidence boundary: The supplied ELAN/Schmersal catalog supports the SRB-NA-R-C.35 24 V family values. It does not define the complete CH2A suffix, so option-specific data must be verified from the installed nameplate and controlled wiring documentation.

Evidence reviewed: ELAN / Schmersal SRB safety-relay catalog, SRB-NA-R-C.35 24 V family pages.

Applications and product precautions

SCHMERSAL SRB-NA-R-C.35-CH2A-24V

Emergency-stop monitoring

Monitors a documented single- or dual-channel emergency-stop circuit.

Guard-door interlocking

Monitors an approved safety-door circuit and controls enabling contacts.

Delayed machine stop

Uses the documented delayed enabling output where the validated risk assessment requires run-down time.

Safety-relay replacement

Restores the exact installed relay after wiring, delay and reset behavior are recorded.

01 / Check

Verify the full SRB-NA-R-C.35-CH2A-24V marking; the supplied catalog does not decode the CH2A suffix.

02 / Check

Place the machine and its safety function in the authorized maintenance state before relay work.

03 / Check

Record every input, enabling output, monitoring output, feedback-loop connection and delay setting before removal.

04 / Check

Confirm the actual nameplate supply and use only the documented 24 V circuit arrangement.

05 / Check

Wire the emergency-stop or guard-door circuit exactly as defined by the validated safety design.

06 / Check

Preserve the selected automatic/manual reset behavior and prove the feedback loop before enabling motion.

07 / Check

Set the delayed enabling output only to the value established by the machine risk assessment and controlled drawing.

08 / Check

After installation, test channel faults, reset behavior, contact transfer, delay time and safe-state response before release.

Evidence reviewed: ELAN / Schmersal SRB safety-relay catalog, SRB-NA-R-C.35 24 V family pages.

Model-specific engineering FAQ

SCHMERSAL SRB-NA-R-C.35-CH2A-24V

What safety function does SRB-NA-R-C.35-CH2A-24V perform?

The SRB-NA-R-C.35 family is documented for emergency-stop or guard-door monitoring with enabling and monitoring outputs.

How many enabling outputs are available on SRB-NA-R-C.35-CH2A-24V?

The documented family provides four enabling outputs and one monitoring output.

Does SRB-NA-R-C.35-CH2A-24V provide a delayed safety output?

Yes. One enabling output is documented as drop-out delayed, with an adjustable 0 to 30 second range.

Which reset method applies to SRB-NA-R-C.35-CH2A-24V?

The family supports selectable automatic reset and includes a feedback loop; the installed setting must be recorded and validated.

Which supply should be used for SRB-NA-R-C.35-CH2A-24V?

Use the exact nameplate supply. The catalog documents 24 V DC and 24 V AC family variants with their respective tolerances.

What contact duty is documented for SRB-NA-R-C.35-CH2A-24V?

The family data lists 230 V AC / 6 A for an ohmic enabling load, DC-13 at 24 V / 2 A and AC-15 at 230 V / 3 A.

Which response times apply to SRB-NA-R-C.35-CH2A-24V?

The family specification lists a maximum 200 ms pick-up time and maximum 30 ms drop-out time, apart from the intentionally delayed output.

What must be tested after replacing SRB-NA-R-C.35-CH2A-24V?

Prove channel-fault detection, feedback and reset behavior, all enabling contacts, the configured delay and the machine's safe-state response.

Use the final installed drawing, configuration record and manufacturer instructions for acceptance decisions.

Related products and contact

Recommendation count is fitted to the available page area

NO.	RELATED PRODUCT	APTERPOWER LINK
01	HIMA HIMax X-AI 3201	View HIMA HIMax X-AI 3201 page
02	HIMA HIMax X-AO 1601	View HIMA HIMax X-AO 1601 page
03	HIMA HIMax X-BLK 03	View HIMA HIMax X-BLK 03 page
04	HIMA F8651E	View HIMA F8651E page
05	HIMA F8627X	View HIMA F8627X page
06	HIMA F8620-11	View HIMA F8620-11 page
07	HIMA F8620	View HIMA F8620 page
08	HIMA F7541	View HIMA F7541 page
09	ICS Triplex T9802	View ICS Triplex T9802 page
10	ICS Triplex T9852	View ICS Triplex T9852 page
11	ICS Triplex TC-301-02-4M5	View ICS Triplex TC-301-02-4M5 page
12	Honeywell 05701-A-0302	View Honeywell 05701-A-0302 page
13	Honeywell 05701-A-0325	View Honeywell 05701-A-0325 page
14	Honeywell 05701-A-0361	View Honeywell 05701-A-0361 page
15	Honeywell 05704-A-0123	View Honeywell 05704-A-0123 page
16	Honeywell 05704-A-0135	View Honeywell 05704-A-0135 page

Recommendation links are navigation aids only and do not establish compatibility.

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